```
10   ┌─────────────────────────────────────────┐
     │ MARKING AT LEAST 2 HOSPITAL INSTRUMENTS │
     │ WITH AN OPTICALLY SCANNABLE MARK        │
     │ INDICATIVE OF EACH INSTRUMENT'S         │
     │ MANUFACTURER OR SERVICE PROVIDER AND    │
     │ INDICATIVE OF A SERIAL NUMBER UNIQUE TO │
     │ EACH INSTRUMENT;                        │
     └─────────────────────────────────────────┘
```

```
12   ┌─────────────────────────────────────────┐
     │ READING EACH MARK AND ENTERING SERIAL   │
     │ NUMBER AND MANUFACTURER INFORMATION     │
     │ REPRESENTED BY EACH MARK INTO A         │
     │ COMPUTER DATABASE;                      │
     └─────────────────────────────────────────┘
```
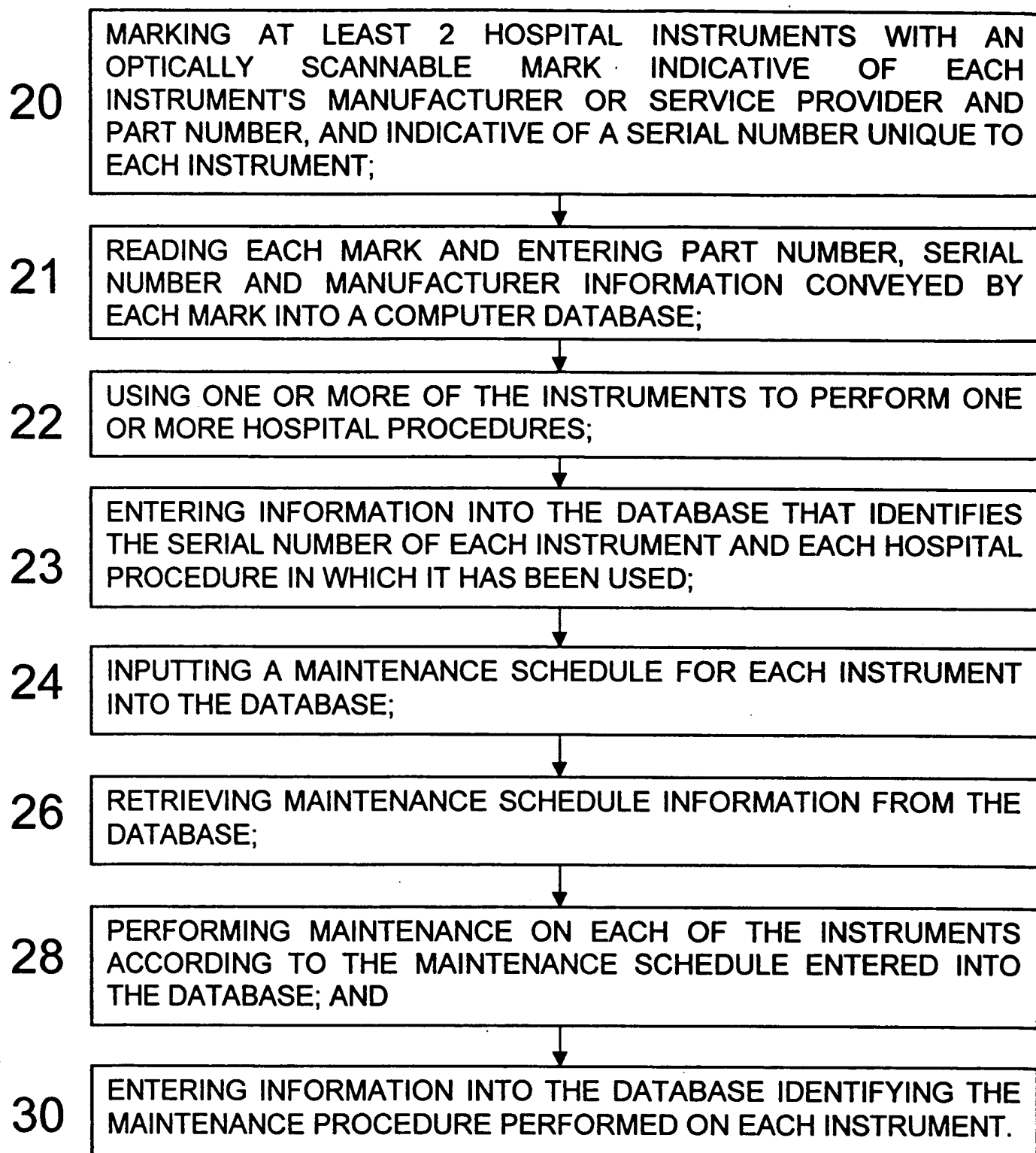
```
14   ┌─────────────────────────────────────────┐
     │ USING ONE OR MORE OF THE INSTRUMENTS    │
     │ TO PERFORM ONE OR MORE HOSPITAL         │
     │ PROCEDURES; AND                         │
     └─────────────────────────────────────────┘
```

```
16   ┌─────────────────────────────────────────┐
     │ ENTERING INFORMATION INTO THE DATABASE  │
     │ THAT IDENTIFIES EACH HOSPITAL PROCEDURE │
     │ IN WHICH EACH INSTRUMENT HAS BEEN USED. │
     └─────────────────────────────────────────┘
```

*Figure 1*

| 20 | MARKING AT LEAST 2 HOSPITAL INSTRUMENTS WITH AN OPTICALLY SCANNABLE MARK INDICATIVE OF EACH INSTRUMENT'S MANUFACTURER OR SERVICE PROVIDER AND PART NUMBER, AND INDICATIVE OF A SERIAL NUMBER UNIQUE TO EACH INSTRUMENT; |

| 21 | READING EACH MARK AND ENTERING PART NUMBER, SERIAL NUMBER AND MANUFACTURER INFORMATION CONVEYED BY EACH MARK INTO A COMPUTER DATABASE; |

| 22 | USING ONE OR MORE OF THE INSTRUMENTS TO PERFORM ONE OR MORE HOSPITAL PROCEDURES; |

| 23 | ENTERING INFORMATION INTO THE DATABASE THAT IDENTIFIES THE SERIAL NUMBER OF EACH INSTRUMENT AND EACH HOSPITAL PROCEDURE IN WHICH IT HAS BEEN USED; |

| 24 | INPUTTING A MAINTENANCE SCHEDULE FOR EACH INSTRUMENT INTO THE DATABASE; |

| 26 | RETRIEVING MAINTENANCE SCHEDULE INFORMATION FROM THE DATABASE; |

| 28 | PERFORMING MAINTENANCE ON EACH OF THE INSTRUMENTS ACCORDING TO THE MAINTENANCE SCHEDULE ENTERED INTO THE DATABASE; AND |

| 30 | ENTERING INFORMATION INTO THE DATABASE IDENTIFYING THE MAINTENANCE PROCEDURE PERFORMED ON EACH INSTRUMENT. |

*Figure 2*

| DATA TERMINAL 42 | DATA TERMINAL 42 | DATA TERMINAL 42 |

PORTABLE OPTICAL SCANNER 38

CENTRAL RELATIONAL DATABASE 40

PORTABLE OPTICAL SCANNER 38

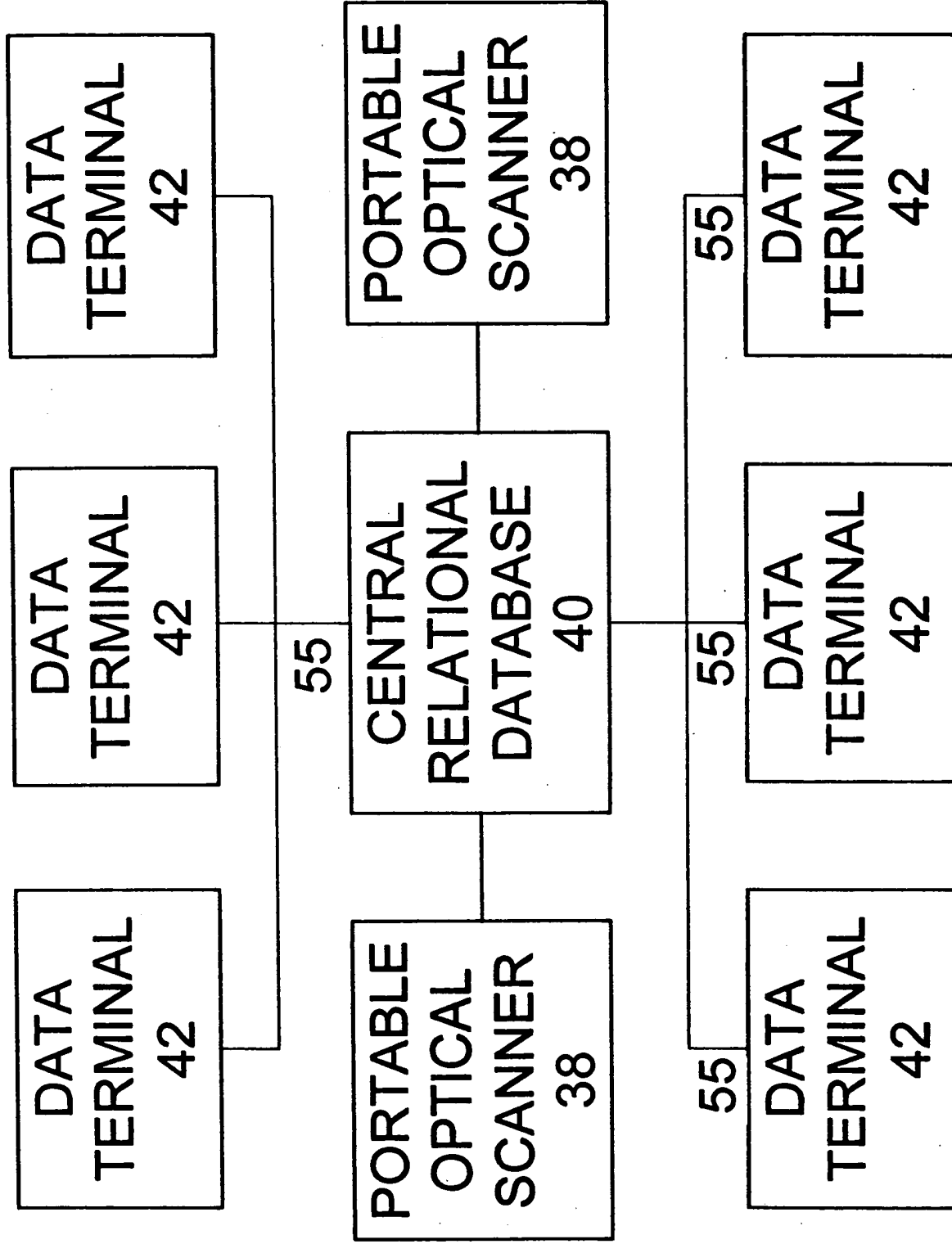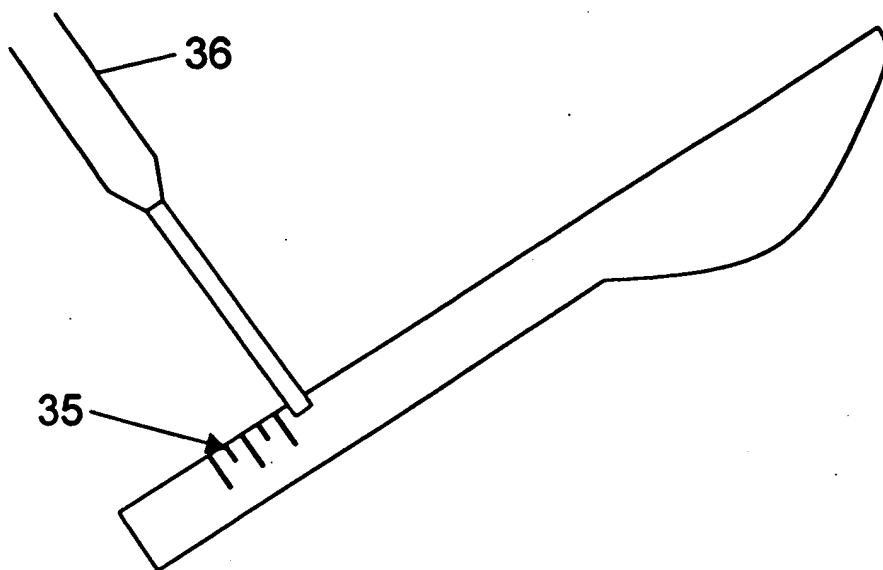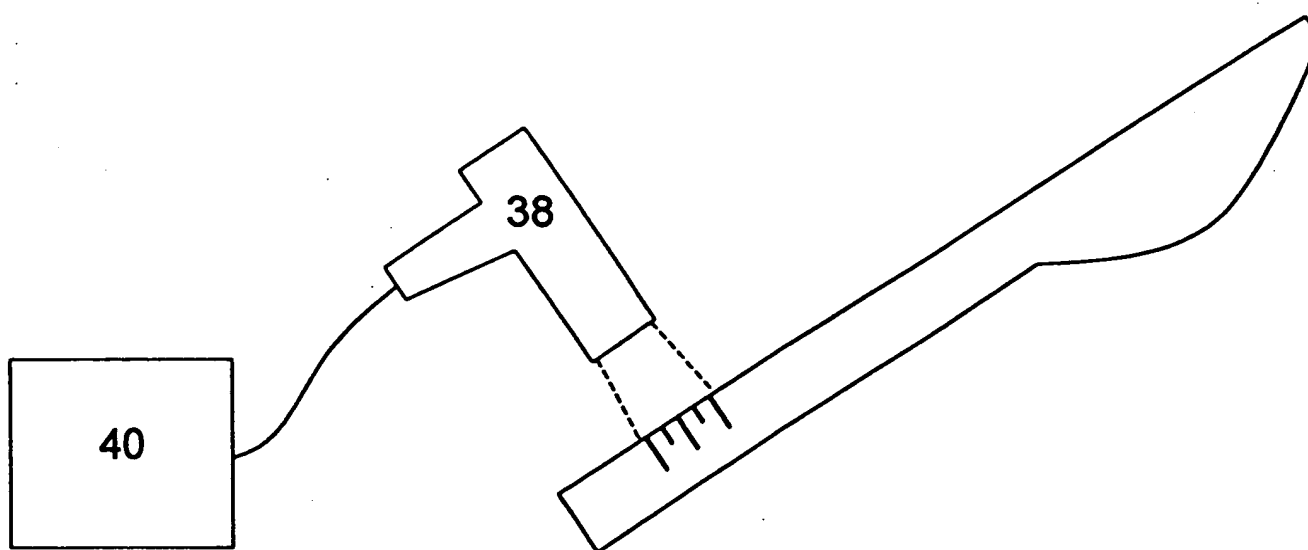| DATA TERMINAL 42 | DATA TERMINAL 42 | DATA TERMINAL 42 |

55

*Figure 3*

**Figure 4a**



**Figure 4b**

**70** MARKING AT LEAST 2 HOSPITAL INSTRUMENTS WITH AN OPTICALLY SCANNABLE MARK INDICATIVE OF EACH INSTRUMENT'S MANUFACTURER OR SERVICE PROVIDER AND PART NUMBER, AND INDICATIVE OF A SERIAL NUMBER UNIQUE TO EACH INSTRUMENT;

**71** READING EACH MARK WITH AN OPTICAL SCANNER;

**72** TRANSMITTING PART NUMBER, SERIAL NUMBER AND MANUFACTURER INFORMATION CONVEYED BY EACH MARK FROM THE SCANNER TO A COMPUTER DATABASE;

**73** USING ONE OR MORE OF THE INSTRUMENTS TO PERFORM ONE OR MORE HOSPITAL PROCEDURES;

**74** ENTERING INFORMATION INTO THE DATABASE THAT IDENTIFIES THE SERIAL NUMBER OF EACH INSTRUMENT AND EACH HOSPITAL PROCEDURE IN WHICH IT HAS BEEN USED;

*Figure 5a*

75 | INPUTTING A MAINTENANCE SCHEDULE FOR EACH INSTRUMENT INTO THE DATABASE;

76 | RETRIEVING MAINTENANCE SCHEDULE INFORMATION FROM THE DATABASE;

77 | PERFORMING MAINTENANCE ON ONE OR MORE OF THE INSTRUMENTS;

78 | ENTERING INFORMATION INTO THE DATABASE IDENTIFYING THE MAINTENANCE PROCEDURE PERFORMED ON EACH INSTRUMENT; AND

79 | RETRIEVING MAINTENANCE HISTORY AND SCHEDULE INFORMATION FOR ONE OR MORE INSTRUMENTS AND DETERMINING WHETHER SCHEDULED MAINTENANCE HAS BEEN PERFORMED IN A TIMELY MANNER ON THE INSTRUMENTS.

*Figure 5b*